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- JP1265881 A 19891023 PN
- BIOCATALYST MEMBRANE WITH HYDROPHOBIC POROUS LAYER TI
- PURPOSE:To provide the title membrane easy to discharge or feed in case the products and reactants are gases, thus enabling highly efficient bioreactors to be constituted, comprising a layer having only hydrophobic pores of specified size or smaller and an enzyme and/or microorganism-immobilized porous layer. CONSTITUTION: Firstly, a hydrophobic membrane 1 having only hydrophobic pores <=0.2mu is size is prepared by e.g., many exectylene black with particulate water-repellent resin such as PTFE followed by mutual firm bonding with e.g. a hot press into a film. The objective biocatalyst membrane is comprised of said hydrophobic membrane 1 and a hydrophobic membrane 1 and a hydrophobic membrane 2 for immobilizing biocatalyst. Said hypersection or our membrane can be prepared by e.g., binding, with a polymer, the country in granules such as of silica or alumina or hydrogram polymer. membrane. The microcruanisms as said biocatalyst is e.g., an enzyme such as uricase or urease, yeast, various kinds of productive bacteria.
- C02F3/00&G; C08J9/36+CEW; C12M1/40&A; G01N27/30&351 FI
- FURUYA CHOICHI PA
- FURUYA CHOICHI IN
- JP19880022402 19880202 AP
- JP19880022402 19880202 PR
- 1 DT

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- 1989-353733 [48] ΔN
- Bio:catalyst film having layer with hydrophobic pores used e.g. for bio:reactor bio:senser or artificial П kidney
- J01265881 One of biocatalyst films is composed of (A) layer having hydrophobic pores of up to 0.2 AB micron alone and (B) in a proportion or our layer immobilising enzyme and/or microorganism. The other comprises adding electrode catalyst layer to the biocatalyst film composed of (A) and (B) layers to give electrode function.
 - USE/ADVANTAGE The biocatalyst films are used for appts to react biographic aterial, eg bioreactor, biosensor or artificial kidney. Bioreactor of high efficiency is composed by layer having hydrophobic pores, because gaseous prod or reactant is emitted or supplied easily.(0/0)
- BIO CATALYST FILM LAYER HYDROPHOBIC PORE BIO REACTOR BIO SENSE ARTIFICIAL KIDNEY IW
- JP1265881 A 19891023 DW198948 005pp PN
- C02F3/00 ;C08J9/36 ;C12M1/40 ;G01N27/30 IC
- A12-S06 A12-W11K A12-W11L B04-B02B B04-B02C B04-C03B B04-D02 B05-A01B B05-B02C B06-C06 MC B11-C08 B12-G03 B12-K04A D04-A01D D04-A01J D05-A01 D05-A03A D05-H09 J04-B01 J04-E04
 - S03-E03C S03-E14H
- A96 A97 B04 D15 D16 J04 S03 DC
- (FURU-I) FURUYA C PA
- JP19880022402 19880202 AP
- JP19880022402 19880202

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- JP1265881 A 19891023 PN
- BIOCATALYST MEMBRANE WITH HYDROPHOBIC POROUS LAYER TI
- PURPOSE:To provide the title membrane easy to discharge or feed in case the products and reactants AB are gases, thus enabling highly efficient bioreactors to be constituted, comprising a layer having only hydrophobic pores of specified size or smaller and an enzyme and/or microorganism-immobilized hydrophile porous layer.

- CONSTITUTION: Firstly, a hydrophobic membrane 1 having only hydrophobic pores <=0.2mu is size is prepared by e.g., many acetylene black with particulate water-repellent resin such as PTFE followed by mutual firm bending with e.g. a hot press into a film. The objective biocatalyst membrane is comprised of said hydrophobic membrane 1 and a hyperpared by e.g., binding, with a polymer, hydrogeness and granules such as of silica or alumina or hyperpared by e.g., binding, with a polymer, hydrogeness as said biocatalyst is e.g., an enzyme such as uricase or urease, yeast, various kinds of productive bactaria.

- C12M1/40 ;C02F3/00 ;C08J9/36 ;G01N27/30

PA - CHOICHI FURUYA

IN - FURUYA CHOICHI

ABD - 19900118

ABV - 014024

GR - C677

AP - JP19880022402 19880202